

Att'y. Dkt. No. APPM/5192.02/CPI/COPPER/PJS



In re Application of:  
Chen et al.

Patent No.: 6,916,398

Issued: July 12, 2005

Serial No.: 10/032,284

Filed: December 21, 2001

For: GAS DELIVERY APPARATUS  
AND METHOD FOR ATOMIC  
LAYER DEPOSITION

Certificate of Correction Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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Group Art Unit: 1763

Examiner: Parviz Hassanzadeh

**Certificate**  
OCT 26 2006  
**of Correction**

CERTIFICATE OF MAILING  
37 CFR 1.8

I hereby certify that this correspondence is being deposited on 10/19, 2006 with the United States Postal Service as First Class Mail in an envelope addressed to: Certificate of Correction Branch, Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

10/19/06 Kim Z Zhr  
Date Signature

Dear Sir:

## REQUEST FOR CORRECTION OF CERTIFICATE OF CORRECTION

It is requested that the Certificate of Correction signed and sealed on the Twenty-Sixth Day of September, 2006 (marked copy attached) be corrected/superseded/reissued, as appropriate, to reflect the marked change.

A copy of the previously submitted form of Certificate of Correction is enclosed. Applicants submit that the error in the Certificate of Correction was not made by the applicants, but was made during the printing of the Certificate of Correction. If any fee is due for the correction of Certificate of Correction, however, please charge the fee to counsel's Deposit Account No. 20-0782/APPM/5192.02 (KMT).

Respectfully submitted,

Keith M. Tackett  
Registration No. 32,008  
PATTERSON & SHERIDAN, L.L.P.  
3040 Post Oak Blvd. Suite 1500

Houston, TX 77056  
Telephone: (713) 623-4844  
Facsimile: (713) 623-4846  
Agent for Applicant(s)

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,916,398 B2  
APPLICATION NO. : 10/032284  
DATED : July 12, 2005  
INVENTOR(S) : Ling Chen et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 5, Line 21: Change "Venflow" to --Veriflow--

Column 5, Line 40: Change "2436" to --243B--

Column 6, Line 20: Change " $0^\circ > +\beta > 90^\circ$ " to -- $0^\circ < +\beta < 90^\circ$ --

Column 6, Line 20: Change " $0^\circ > -\beta > 90^\circ$ " to -- $0^\circ < -\beta < 90^\circ$ --

Column 7, Line 66: Change "patted" to --pattern--

Column 8, Line 24: Change "If" to --if--

Column 8, Line 57: Change " $(H=2\pi R)$ " to -- $(H \times 2\pi R)$ --

Column 9, Line 17: Delete the period after "helps"

Column 10, Line 54: Change the semicolon after "example" to a comma

Column 13, Line 41: Change "7500" to --750C--

Column 14, Line 66: Change "(CI)" to --~~(CI)~~  
(Cl)

Column 16, Line 53: Change "512" to --Å--

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,916,398 B2  
APPLICATION NO. : 10/032284  
DATED : July 12, 2005  
INVENTOR(S) : Ling Chen et al.

Page 2 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 17, Claim 1, Line 15: Change the semicolon after "comprising" to a colon

Column 17, Claim 5, Line 55: Change "1.000" to --1,000--

Column 19, Claim 19, Line 15: Before "least", change "a" to --at--

Column 20, Claim 20, Line 4: Before "least", change "a" to --at--

Signed and Sealed this

Twenty-sixth Day of September, 2006



A handwritten signature in black ink, reading "Jon W. Dudas". The signature is written in a cursive style with a large, stylized initial "J" and "D".

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

re Application of:  
Chen et al.

Patent No.: 6,916,398

Issued: July 12, 2005

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For: GAS DELIVERY  
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LAYER DEPOSITION

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

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§ Group Art Unit: 1763  
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§ Examiner: Parviz  
Hassanzadeh  
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| CERTIFICATE OF MAILING<br>37 CFR § 8                                                                                                                                                                                                                                               |                                      |
| I hereby certify that this correspondence is being deposited on<br>7/14, 2006 with the United States Postal Service as<br>First Class Mail in an envelope addressed to: Certificate of<br>Correction Branch, Commissioner for Patents, P.O. Box 1450<br>Alexandria, VA 22313-1450. |                                      |
| Date<br>7/14/06                                                                                                                                                                                                                                                                    | Signature<br><i>Keith M. Tackett</i> |

REQUEST FOR CERTIFICATE OF CORRECTION

Attached is a Certificate of Correction for correcting several errors throughout the printed patent.

Applicants submit that the errors mentioned above were not by the applicant, but were made during the printing of the patent.

Respectfully submitted,

*Keith M. Tackett*  
\_\_\_\_\_  
Keith M. Tackett  
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## UNITED STATES PATENT AND TRADEMARK OFFICE

### CERTIFICATE OF CORRECTION

PATENT NO. : 6,916,398

Page 1 of 2

APPLICATION NO. : 10/032,284

DATED : Jul. 12, 2005

INVENTOR(S) : Ling CHEN, Vincent KU, Dien-Yeh WU, Hua CHUNG, Alan OUYE, Norman NAKASHIMA

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

#### In the Specification

Column 5, Line 21: Change "Venflow" to --Veriflow--

Column 5, Line 40: Change "2436" to --243B--

Column 6, Line 20: Change " $0^\circ > +\beta > 90^\circ$ " to -- $0^\circ < +\beta < 90^\circ$ --Column 6, Line 20: Change " $0^\circ > -\beta > 90^\circ$ " to -- $0^\circ < -\beta < 90^\circ$ --

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Column 14, Line 66: Change "(CI)" to --(C1)--

Column 16, Line 53: Change "512" to --Å--

#### MAILING ADDRESS OF SENDER (Please do not use customer number below):

Keith M. Tackett  
PATTERSON & SHERIDAN, L.L.P.  
3040 Post Oak Blvd., Suite 1500  
Houston, TX 77056-6582

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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## UNITED STATES PATENT AND TRADEMARK OFFICE

### CERTIFICATE OF CORRECTION

PATENT NO. : 6,916,398

Page 2 of 2

APPLICATION NO. : 10/032,284

DATED : Jul. 12, 2005

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#### In the Claims

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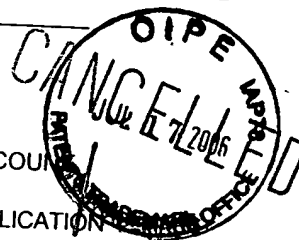


DOCKET No.: APPN/5192.02/CP1/LOPPER/PSS  
SERIAL No.: 19032,284 Pat. No. 4,916,398  
FILED: December 21, 2001  
APPLICANT: Applied Materials, Inc.  
INVENTOR: Chen et al.

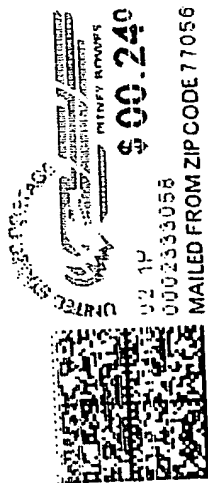
The Patent & Trademark Office acknowledges and has stamped  
hereon the date of receipt of the items checked below which were  
mailed July 14, 2006

- ☐ AFFIDAVIT
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- ☐ APPLICATION PAPERS - OATH/DECLARATION
- ☐ TOTAL CLS. \_\_\_\_\_ IND. CLS. \_\_\_\_\_ FEE \$ \_\_\_\_\_
- ☐ \_\_\_\_\_ SHEET(S) OF DRAWING(S) FORMAL/INFORMAL
- ☐ ASSIGNMENT-RECORDAL FEE \$ \_\_\_\_\_
- ☐ BRIEF
- ☐ APPEAL NOTICE
- ☐ DECLARATION
- ☐ ISSUE FEE - BASE/BALANCE
- ☐ LETTER - CHARGE DEPOSIT ACCOUNT
- ☐ LETTER
- ☐ TRADEMARK/SERVICEMARK APPLICATION
- ☐ PETITION
- ☐ PRELIMINARY AMENDMENT
- ☐ INFORMATION DISCLOSURE STATEMENT
- ☐ REQUEST FOR EXTENSION OF TIME
- ☐ RESPONSE TO \_\_\_\_\_
- ☐ SPECIMENS
- ☐ SMALL ENTITY
- ☐ CHECK # \_\_\_\_\_ IN THE AMOUNT OF \$ \_\_\_\_\_
- ☒ Request for Certificate of Correction
- ☒ Return Receipt Postcard

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MAILED FROM ZIP CODE 77056

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